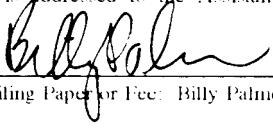


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I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

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Atty Docket No. 2300-1487CIP



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Williams, et al.

Group Art Unit: N/A

Serial No.: Not Assigned

Examiner: N/A

Filing Date: Herewith

Title: NOVEL HUMAN GENES AND GENE EXPRESSION
PRODUCTS V

SUBMISSION OF SEQUENCE LISTING UNDER 37 CFR §§1.821-1.825

Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

A Sequence Listing in computer readable form as required by 37 CFR §1.821(e) and in compliance with the requirements of 37 CFR §1.824 is submitted herewith. In addition, applicant submits a paper copy of the Sequence Listing as required under 37 CFR §1.821(c) and a statement under 37 CFR §1.821(f).

I hereby state that this Sequence Listing submission, filed in accordance with 37 CFR §1.821(g), does not contain new matter. Furthermore, pursuant to 37 CFR §1.821(f), I hereby state that the content of the paper and computer readable copies of the Sequence Listing, submitted in accordance with 37 CFR §1.821(c) and (e), respectively, are the same and that the sequence listings contain no new matter.

The Sequence Listing was prepared with the software FASTSEQ, and conforms with the Patent Office guidelines. The computer-readable copy is a self-extracting WinZip file. Applicant respectfully submits that the subject application is in adherence to 37 CFR §§1.821-1.825.

Respectfully submitted,

Dated: May 13 1999

By: Carol L. Francis
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